

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------|
| Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | Atty. Docket No. A34001-A 072396.0222 | Serial No. TBA |
| | Applicant Montelaro et al. | |
| | Filing Date February 19, 2002 | Group TBA |

JC828 U.S. PTO
 10/07/02
 02/19/02

U.S. PATENT DOCUMENTS


| *Exam. Init. | Document No. | Date | Name | Class | Subclass | Filing Date if Appro. |
|-----------------|-----------------|----------|------------------|-------|----------|--------------------------|
| SWL | 1 5 9 4 5 5 0 7 | 08/31/99 | Montelaro et al. | | | |
| SWL | 7 5 7 1 4 5 7 7 | 02/03/98 | Montelaro et al. | | | |

FOREIGN PATENT DOCUMENTS

| Document No. | Date | Country | Class | Subclass | Translation Yes No |
|--------------|------|---------|-------|----------|-----------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SWL | 2 | File, TM. "Overview of Resistance in the 1990s", <i>Chest</i> , 115:3S-8S. March 1999 Supplement |
| SWL | 3 | Friedrich et al., "Salt-Resistant Alpha-Helical Cationic Antimicrobial Peptides", <i>Antimicrobial Agents and Chemotherapy</i> , 43: 1542-1548, 1999 |
| SWL | 4 | Hancock. R.E., "Host Defence (Cationic) Peptides: What Is Their Future Clinical Potential?", <i>Drugs</i> , 57: 469-473, Adis International Limited, 1999. |
| SWL | 5 | Scott, Yan, and Hancock, "Biological Properties of Structurally Related ∇ -Helical Cationic Antimicrobial Peptides", <i>Infection & Immunity</i> , 67: 2005-2009, Apr. 1999 |

| | | | |
|----------|-------------------------------------------------------------------------------------|-----------------|----------|
| Examiner |  | Date Considered | 7-1-2003 |
|----------|-------------------------------------------------------------------------------------|-----------------|----------|

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NY02:324572.1

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------|
| Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | Atty. Docket No. A34001-A 072396.0222 | Serial No. TBA |
| | Applicant Montelaro et al. | |
| | Filing Date February 19, 2002 | Group TBA |

| | | |
|-----|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| swL | 6 | Tencza et al., "Lentivirus-derived antimicrobial peptides: increased potency by sequence engineering and dimerization", <i>Journal of Antimicrobial Chemotherapy</i> , <u>44</u> : 33-41, 1999 |
| swL | 8 | Beary et al., "Interruption of T-cell signal transduction by lentivirus lytic peptides from HIV-1 transmembrane protein", <i>Journal of Peptide Research</i> , <u>51</u> : 75-79, 1998 |
| swL | 9 | Hwang and Vogel, "Structure-function relationships of antimicrobial peptides", <i>Biochem. Cell Biol.</i> , <u>76</u> : 235-246, 1998 |
| swL | 10 | Comardelle et al., "A Synthetic Peptide Corresponding to the Carboxy Terminus of Human Immunodeficiency Virus Type 1 Transmembrane Glycoprotein Induces Alterations in the Ionic Permeability of <i>Xenopus laevis</i> Oocytes", <i>AIDS Research & Human Retroviruses</i> , <u>13</u> : No. 17, pp.1525-1532, 1997. |
| swL | 11 | Ganz and Lehrer, "Antimicrobial peptides of leukocytes", <i>Current Opinion in Hematology</i> , <u>4</u> : 53-58, 1997 |
| swL | 12 | Tencza et al., "Novel Antimicrobial Peptides Derived from Human Immunodeficiency Virus Type 1 and Other Lentivirus Transmembrane Proteins", <i>Antimicrobial Agents & Chemotherapy</i> , <u>41</u> : 2394-2398, 1997 |
| swL | 13 | Tencza et al., "Calmodulin-Binding Function of LLP Segments from the HIV Type 1 Transmembrane Protein Is Conserved among Natural Sequence Variants", <i>AIDS Research & Human Retroviruses</i> , <u>13</u> : No. 3, 263-269, 1997 |
| swL | 14 | Arroyo et al., "Membrane Permeabilization by Different Regions of the Human Immunodeficiency Virus Type 1 Transmembrane Glycoprotein gp41", <i>J. Virol.</i> <u>69</u> : 4095-4102, 1995. |
| swL | 15 | Tencza et al., "Effect of Amino Acid Substitutions on Calmodulin Binding and Cytolytic Properties of the LLP-1 Peptide Segment of Human Immunodeficiency Virus Type 1 Transmembrane Protein", <i>Journal of Virology</i> , <u>69</u> : 5199-5202, 1995 |
| swL | 16 | Yuan et al., "Characterization of the Calmodulin Binding Domain of SIV Transmembrane Glycoprotein by NMR and CD Spectroscopy", <i>Biochemistry</i> , <u>34</u> : 10690-10696, 1995. |

Examiner



Date Considered

7-1-2003

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NY02:324572.1

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------|
| Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | Atty. Docket No. A34001-A 072396.0222 | Serial No. TBA |
| | Applicant Montelaro et al. | |
| | Filing Date February 19, 2002 | Group TBA |

| | | |
|-----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| swL | 17 | Zanetti, Gennaro and Romeo, "Cathelicidins: a novel protein family with a common propregion and a variable C-terminal antimicrobial domain", <i>FEBS Letters</i> , <u>374</u> :1-5, 1995 |
| swL | 18 | Merrifield et al., "Design and synthesis of antimicrobial peptides", Antimicrobial Peptides, Ciba Foundation Symposium, , 5-6, 1994. |
| swL | 19 | Moore et al., "Preliminary Experimental Anticancer Activity of Cecropins", <i>Peptide Research</i> , <u>7</u> :265-269, 1994. |
| swL | 20 | Miller et al., "Identification of a Calmodulin-Binding and Inhibitory Peptide Domain in the HIV-1 Transmembrane Glycoprotein", 1993, <i>AIDS Reseach and Human Retroviruses</i> , <u>9</u> : 1057-1066. |
| swL | 21 | Miller et al., "Alterations in Cell Membrane Permeability by the Lentivirus Lytic Peptide (LLP-1) of HIV-1 Transmembrane Protein", <i>Virology</i> , <u>196</u> : 89-1000, 1993 |
| swL | 22 | Blondelie et al., "Design of Model Amphipathic Peptides Having Potent Anitmicrobial Activities", <i>Biochemistry</i> , <u>31</u> :12688-12694, 1992 |
| swL | 23 | Srinivas et al., "Membrane Interactions of Synthetic Peptides Corresponding to Amphopathic Helical Segments of the Human Immunodeficiency Virus Type-1 Envelope Glycoprotein", <i>Journal of Biological Chemistry</i> , <u>267</u> :7121-7127, 1992 |
| swL | 24 | Wild et al., ""A synthetic peptide inhibitor of human immunodeficiency virus replication: Correlation between solution structure and viral inhibition", <i>Proc. Natl. Acad. Sci. USA</i> , <u>89</u> : 10537-10541, 1992. |
| swL | 25 | Fontenot et al., "A Survey of Potential Problems and Quality Control in Peptide Synthesis by the Fluorenylmethoxycarbonyl Procedure", <i>Peptide Research</i> , <u>4</u> :19-25, 1991 |
| swL | 26 | Miller et al., "A Structural Correlation Between Lentivirus Transmembrane Proteins and Natural Cytolytic Peptides", <i>AIDS Research & Human Retroviruses</i> , <u>7</u> :511-519, 1991. |
| swL | 27 | Eisenberg and Wesson, "The Most Highly Amphiphilic α -Helices Include Two Amino Acid Segments in Human Immunodeficiency Virus Glycoprotein 41", <i>Biopolymers</i> , <u>29</u> : 171-177, 1990 |

Examiner



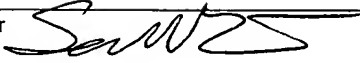
Date Considered

7-1-2003

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------|
| Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | Atty. Docket No. A34001-A 072396.0222 | Serial No. TBA |
| | Applicant Montelaro et al. | |
| | Filing Date February 19, 2002 | Group TBA |

| | | |
|-----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SWL | 28 | Eisenberg et al., "The hydrophobic moment detects periodicity in protein hydrophobicity", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>81</u> :140-144, 1984 |
| SWL | 29 | Chou et al., "Prediction of The Secondary Structure of Proteins From Their Amino Acid Sequence", <i>Adv Enz Relat Areas Mol Bio</i> , 47: 45-146, 1978. |
| SWL | 30 | Garnier et al., "Analysis of the Accuracy and Implications of Simple Methods for Predicting the Secondary Structure of Globular Proteins", <i>J. Mol. Biol.</i> , <u>120</u> : 97-120, 1978 |
| | | |

| | |
|----------------------------------------------------------------------------------------------|---------------------------------|
| Examiner  | Date Considered <u>7-1-2003</u> |
|----------------------------------------------------------------------------------------------|---------------------------------|

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.